

ARMY REGULATION  
 No. 740-32  
 OPNAV INSTRUCTION  
 No. 8070.1B  
 AIR FORCE REGULATION  
 No. 136-4  
 MARINE CORPS ORDER  
 No. 4030.25B

DEPARTMENTS OF THE ARMY,  
 THE NAVY, AND THE AIR FORCE  
 WASHINGTON, DC, 5 June 1975

## STORAGE AND SUPPLY ACTIVITIES

### RESPONSIBILITIES FOR TECHNICAL ESCORT OF DANGEROUS MATERIALS

*This publication has been revised to direct compliance with public laws pertaining to dangerous articles described herein. All references to "class A poisons" and "incapacitating agents" have been deleted and are replaced with the military term "chemical agent." Local supplementation of this regulation within the US Army is prohibited, except upon approval of the Deputy Chief of Staff for Logistics (HQDA (DALO-SMS)).*

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**1. Purpose.** This regulation delineates the responsibilities of the Army, Navy, Marine Corps, and the Air Force with regard to the operational technical, materiel and administrative aspects of technical escort of shipments of the dangerous materials named in paragraph 2.

**2. Policy.** The Military Services will comply with all laws and regulations of the Congress, Federal and civil regulating bodies governing the movement of chemical agents, etiological and radioactive materials, and biological defense research materials.

**3. Definitions.** For the purpose of this regulation, the following definitions apply:

*a. Technical escort.* Individuals technically qualified and properly equipped to accompany designated material requiring a high degree of safety and/or security during shipment.

*b. Chemical agent.* A chemical substance which is intended for use in military operations to kill,

seriously injure, or incapacitate man through its chemical properties. Excluded from considerations are riot control agents, chemical herbicides, smoke and flame.

*c. Nerve agent.* A lethal toxic chemical agent which is absorbed into the body by breathing, by ingestion or through the skin and affects the nervous and respiratory systems and various body functions.

*d. Riot control agent.* A chemical that produces temporary irritating or disabling effects when in contact with the eyes or when inhaled.

*e. Biological research material.* Micro-organisms which are used for research and which cause disease in man, plants, or animals, or cause the deterioration of materiel.

*f. Etiological material.* The cause of any of the diseases listed in title 42, paragraph 72.25, "Public Health" Code of Federal Regulation, or of any diseases which may later be prescribed by the Sur-

\*This regulation supersedes AR 740-32/OPNAVINST 8070.1A/AFR 136-4/MCO 4030.25A, 8 August 1972.

geon General, US Public Health Service. In addition, the term "etiologically material" includes any biological material designated by the Secretary of Agriculture under the terms of the agreement between the Secretaries of Agriculture and Defense concerning the shipment of potentially dangerous biological research material.

*g. Dangerous material.* Material listed in title 49, paragraph 172.5, Code of Federal Regulations (R. M. Graziano's Tariff 23 or succeeding issues thereof).

*h. Radioactive materials.* Any material or combination of materials that spontaneously emit radiation, generally alpha or beta particles, often accompanied by Gamma Rays from the nuclei of an unstable isotope and having a specific activity of greater than 0.002 microcuries per gram background radiation. All radioactive materials which require Department of Transportation waiver or special permit for shipment.

*i. Intratheater shipments.* Any movement of applicable munitions occurring within a theater after initial delivery by Army technical escort personnel to the designated theater entry point.

*j. Technical Courier.* A cleared courier who is qualified to provide scientific information concerning the nature of the material being transported, and who can give technical advice as to procedures to be followed concerning security, safety or accidents (Air Force only).

**4. Shipments requiring technical escorts.** *a.* Technical escorts are required to accompany shipments of chemical agents when the shipments exceed, in volume, the space occupied by 100 pounds of water (1.6 cubic feet or 11.9 gallons). Further, technical escorts are always required for shipment of—

(1) All chemical agents, regardless of quantity, when shipped by military aircraft.

(2) Nerve agents and nerve agents under development, regardless of quantity, except for separate shipment of one gas identification set or laboratory sample packaged in accordance with paragraph 173.331, R. M. Graziano's Tariff 25 or succeeding issues thereof.

(3) All biological research or etiologically material (except diagnostic specimens and etiologically material with 500 milliliters or less in the primary containers, provided the total quantity in any one vehicle, aircraft, or other conveyance does not exceed 3 gallons). The shipping agency will

provide effective decontaminants for materials that are resistant to calcium hypochlorite, 5 percent phenol, or 5 percent sodium hydroxide.

(4) All radioactive materials which require a waiver or special permit for shipment, under provisions of service regulations governing radioactive and fissile materials other than weapons.

(5) Other dangerous material as determined by the responsible service.

*b.* The criteria in *a* above do not preclude the use of technical escorts when an evaluation by the commanding officer of the shipping installation or transportation agency of inherent factors of public relations, security, economics and degree of hazard involved indicates such escort would be in the best interest of the Government.

*c.* The criteria in *a* above will only be used for general guidance. For the hazard classification of specific materials refer to the "Code of Federal Regulations," titles 42 or 49, or to the latest issue of R. M. Graziano's Tariff.

*d.* The criteria in *a* above do not preclude the use of a technical courier when an evaluation by the shipping authority of inherent factors of public relations, security, economics, and degree of hazard involved clearly indicates that technical escort is not required, but a technically competent courier would be in the best interest of the Government (Air Force only).

**5. Responsibilities.** *a. Technical escort service.*

(1) The Army is responsible to provide technical escort for—

(a) All shipments of chemical agents and dangerous material in Army custody within CONUS and to and from a specified point of entry or exit within a theater of operations as designated by the theater commander.

(b) Shipments, when requested, of chemical agents and dangerous material in custody of other Services within CONUS and to and from a specified point of entry or exit within a theater of operations as designated by the theater commander.

(c) Shipments, when requested, of other dangerous material within CONUS and to and from a specified point of entry or exit within a theater of operations as designated by the theater commander.

(2) The Services are responsible for—

(a) Providing technical escort for intratheater shipments necessary to support their own

mission. Commensurate with its capabilities, the Army may perform technical escort when requested by the other Services.

(b) Providing technical escort for dangerous material as required by paragraph 4b.

(c) Controlling the disposition of agents and articles for which they are accountable regardless of the location of the agents or articles unless provisions of section V, part II, paragraph 15, "Joint Interservice Logistics Support Agreement for Ammunitions" (applies to CONUS only) apply.

(d) Taking whatever measures possible within their capability to neutralize, prevent, or limit possible injury or damage when they become aware of an accident/incident to a shipment under technical escort pending assumption of control by the responsible Service.

(e) Funding for technical escort functions which they will provide in accordance with responsibilities established herein. In the event of an accident/incident, the Service requiring the technical escort services will reimburse, upon request, the costs incurred by other Service(s) over and above normal operating expenses in rendering essential assistance.

(f) Reimbursing the Army, upon request, for services requested in (1)(b), (1)(c), or (a) above, to cover cost of travel, per diem of technical escorts, special equipment and supplies required and other expenses incident to the services requested.

(g) Establishing appropriate guidance to installation level for safety and security of shipment vehicles during scheduled or unscheduled en route stops.

(h) Notifying the Army of requirements for technical escort publications, tools and equipment, and training devices.

(3) Air Force responsibilities are:

(a) AFLC coordinates command requirements for technical escort publications, tools, equipment, and training devices with appropriate commands and agencies.

(b) AFLC coordinates Army technical escort support for Air Force shipping requirements within CONUS for war reserve, non-war reserve, or other dangerous material or agents as provided for in this regulation.

(4) Consignors using technical escort services are responsible for —

(a) Thoroughly inspecting transport equipment used in the transportation of dangerous materials prior to loading.

(b) Loading all shipments to include blocking and bracing.

(c) Certifying that all shipments are packaged and labeled in accordance with applicable civil or military regulations and are properly blocked and braced, or providing a waiver.

(d) Specifying agent, radioactive waste material, munition or hazard, safety practices, emergency handling procedures, packing or packaging and security aspects of the cargo, and other pertinent data, and briefing escort personnel, as applicable.

(e) Providing, when available, decontaminant requested by the responsible Technical Escort activity suitably packaged and in necessary amounts for the shipment. This permits escort personnel, in the event of an incident/accident, to take all possible measures within existing capabilities to neutralize agent, prevent, or limit possible damage to materiel or injury to personnel pending assumption of control by the responsible Service.

(f) Obtaining area clearances for overflight and landing as appropriate. Notifying the appropriate area commanders within time periods specified in paragraph 6 of all shipments under technical escort to or through their geographical areas of responsibility for the purpose of providing assistance in the event of an accident/incident.

(g) Providing safety and security after removal from secure storage of material to be shipped and prior to and during loading for shipment.

(h) Providing the escort commander written listings of telephone numbers of the installations to call for assistance.

(5) Consignees receiving shipments under technical escort are responsible for—

(a) Inspecting transport equipment and cargo prior to movement to the unloading point to insure safe unloading.

(b) Unloading shipments.

(c) Providing safety and security for material during unloading and movement to secure storage, or until assumption of these responsibilities.

ties by a technical escort team for further movement.

(d) Arranging, when necessary, for messing, billeting and return transportation of escort personnel.

*b. Technical escort training.*

(1) Army is responsible for common type individual training of personnel for technical escort operations.

(2) The Services are responsible for respective unit training programs.

(3) ATC provides initial and recurrent formal training as provided for in AFR 50-9. Major commands are responsible to establish unit training programs as required. Intratheater technical escort technical unit training is required only within organizations expressly assigned this responsibility by major commands (Air Force only).

*c. Technical support.*

The Army is responsible for--

(1) The development of and continuing validity of technical escort technical publications covering procedures and associated tools and equipment for War Reserve materiel and agents which will be accompanied by technical escorts during shipment. All such technical publications will be coordinated with the other Services.

(2) The conduct of research, exploratory and engineering development of special tools and equipment and training devices to meet the specific needs of technical escort for items delineated in paragraph 4a(1) through (5). All such programs will be coordinated with the other Services.

*d. Intratheater technical escort.*

(1) The Air Force responsibility for intratheater technical escort is further assigned as follows:

(a) Intratheater technical escort support mission assignments are matters of command discretion. However, PACAF and USAFE will maintain sufficient numbers and types of qualified personnel to meet mission requirements. Units responsible for maintaining this capability are identified in the CMCE.

(b) USAFE provides intratheater technical escort for shipments in support of Air Force missions within EUCOM and MEAFSA.

(c) PACAF provides intratheater technical escort for shipments in support of Air Force missions in PACOM.

(2) Army responsibility for intratheater technical escort is assigned as follows:

(a) USAREUR provides intratheater technical escort for shipments in support of Army requirements within EUCOM.

(b) US Army Support Command, Hawaii provides intratheater technical escort for shipments in support of Army requirements within PACOM.

**6. Coordinating instructions.** a. The Services will furnish information to the Commanding Officer, Edgewood Arsenal, ATTN: CO, US Army Technical Escort Center, Edgewood Arsenal, MD 21010, for planned movements (exempt report, para 7-2f, AR 335-15) including--

(1) Project name, designation, and security classification of shipment(s).

(2) Quantity and type of shipment(s).

(3) Origin and destination and anticipated shipping date(s) of shipment(s).

*b. Service consignors will--*

(1) Submit the following information to the Commanding Officer, Edgewood Arsenal, ATTN: CO, US Army Technical Escort Center, Edgewood Arsenal, MD 21010, to arrive a minimum of 7 days before the desired shipping date for CONUS shipments and a minimum of 60 days for shipments to and from outside CONUS. Emergency requests should be made by most expeditious means followed by confirmation in writing. All requests will furnish the planned mode of shipment and estimated duration of mission and will, to extent data are available, include the following information:

*(a) For agents or munitions.*

1. Items and quantity to be shipped including:

(a) Agent, if applicable, and quantity and type of decontaminant being provided.

(b) Shipping dimensions (length, width, and height).

(c) Weight.

(d) Type of container.

(e) Security classification of shipment and any special security requirements.

2. Pickup point and destination of shipment.

3. Name of individual(s), title(s), and telephone numbers to contact at pickup point and destination.

4. Date shipment will be ready by consignor.

5. Date shipment is desired by consignee.

6. Special requirements placed on shipment by consignee.

7. Accounting classification and authority to obligate funds in an amount sufficient to cover cost of travel, per diem, overhead, any special equipment and supplies which may be required and other expenses incident to services to be provided.

(b) *For radioactive waste materials.*

1. Solid or liquid.

(a) Radioactive Materials Classification (groups I, II, or III).

(b) Most hazardous radioisotopes to be shipped.

(c) Amount of radioactivity, i.e., number of millicuries or microcuries of radioactive items per container and type of instruments that were used to determine readings.

2. Outside shipping container.

(a) Number of containers to be shipped.

(b) Does container have a Department of Transportation permit or number? If so, list number and limitations of permit.

(c) Total weight and shipping dimensions of packaged containers.

(d) Surface readings of radioactive items inside container and type of instruments that were used to determine readings.

(e) Surface and one meter (39.37 in.) (from surface) reading of each primary container and type of instruments that were used to determine readings. If there is no detectable reading at one meter from surface of primary container, provide readings at 40 centimeters (12 inches) from surface.

(f) Extent of removable surface contamination. If none, cite "No removable surface contamination."

3. Pickup point and destination of shipment including:

(a) Name, title, telephone number of individual at pickup point.

(b) Name, title, telephone number of individual at point of destination.

(c) Desired date of shipment.

(d) Special requirements placed on shipment.

(e) Security classification of shipment.

(f) Routing of shipment.

(g) Distance to outer container(s) and time duration that may be continuously occupied by personnel (materiel loaded for shipment).

4. Accounting classification and authority to obligate funds required by paragraph 5a(2) (f) above.

(c) *Other items.* For items other than (a) and (b) above, provide comparable information.

(2) Arrange for additional security guards, medical personnel, etc. to accompany the shipments, if required. All such personnel will be under the operational control of the Technical Escort Team responsible for the specific shipment from the time custody of the shipment has been accepted by the technical escorts until custody of the shipment is accepted by the consignee.

c. Technical escorts will be knowledgeable of the hazards, safety precautions, and security aspects of the shipments and will have the required equipment, security clearances, and inoculations prior to mission initiation.

d. Navy, Marine Corps, and Air Force will provide liaison personnel to the Army when considered desirable or necessary.

e. In the event that available technical escort resources result in a conflict in priority, the requesting Service, commensurate with its capability, may augment the Army with qualified personnel to the extent practical to resolve the conflict. Otherwise the priority conflict will be negotiated.

The Army office of primary interest in this joint publication is the Office of the Deputy Chief of Staff for Logistics. Users are invited to send comments and suggested improvements direct to HQDA (DALO-SMS-D) WASH DC 20310. Army users will use DA Form 2028 (Recommended Changes to Publications).

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